

Belvedere:
Jerry Butler

[April 28, 2005](#)

Corte Madera:
Melissa Gill

TO: Transportation Authority of Marin Commissioners

Fairfax:
Lew Tremaine

RE: AB-434, 40% Fund, fiscal year 2005/2006 Transportation Funds for Clean Air (TFCA) - Bay Area Air Quality Management District (BAAQMD)

Larkspur:
Joan Lundstrom

Dear Commissioners:

Mill Valley:
Dick Swanson

On February [24, 2005](#), we notified all cities/County/Special Districts, as well as schools and the College of Marin, regarding the availability of TFCA funds for the fiscal year [2005/2006](#). Further notification was provided at the meeting with Marin Public Works Directors on [March 17, 2005](#). The deadline for receipt of project proposals was [April 1, 2005](#).

Novato:
Pat Eklund

These TFCA Funds are generated through a \$4.00 surcharge on vehicle registrations in the Bay Area. Each county receives 40% of these funds generated within their county as "guarantee funds". The remaining 60% of the funds are administered by the Bay Area Air Quality Management District on a region wide competitive basis. By the deadline, we received a total of [seven](#) projects from [six](#) agencies as follows:

Ross:
Tom Byrnes

San Anselmo:
Peter Breen

Proposed Projects: [FY 2005/2006](#)

San Rafael:
Al Boro

Sausalito:
Amy Belser

Tiburon:
Alice Fredericks

County of Marin:
Susan Adams
Hal Brown
Steve Kinsey
Charles McGlashan
Cynthia Murray

Project No.	Sponsor	Project Title	TFCA \$ 40% Requested	Total Project Cost	Project Score
05MAR01	Bolinas CPUD	Bolinas CPUD Land Bicycle Path	\$40,000	\$40,000	75
05MAR02	GGBH&TD	Bike Racks on Golden Gate Transit Buses	\$60,000	\$300,000	75
05MAR03	Marin County CDA	Fireside Smart Growth Development	\$200,000	\$300,000	71
05MAR04	Marin Co. Transit District	Ride & Roll: Students Ride Free on Golden Gate Transit	\$98,800	\$580,000	68
05MAR05	City of Novato	Commuter Bike Connection-South Novato to Entrada Drive	\$200,000	\$779,920	63
05MAR06	Marin County	Video Conferencing Network	\$67,243	\$67,243	63
05MAR07	Marin County	Los Ranchitos Road Class II Bikeway	\$160,000	\$877,424	60
		Total	\$526,043	\$2,304,587	

Total requested TFCA 40% Funds are [\\$526,043](#) and the requests meet all the requirements of the TFCA criteria. We reviewed each project's score from the Air Quality point of view, its cost, and past history in receiving previous TFCA funds, and finally, we reviewed the readiness of each project to proceed.

Recommendation:

1. Approve all [seven projects](#) shown in the above table. According to the BAAQMD, we have a net amount of [\\$1,093,656](#) including unused funds and earned interest, available for programming TFCA 40% Funds [FY 05/06](#). Your approval of the above projects creates an unallocated amount of [\\$549,505](#) for next future programming.
2. Adopt the attached Resolution authorizing submittal of proposals for AB 434 funds.

Very truly yours,

Craig Tackabery
Executive Director

Attachments: Resolution No. 2005-06 (1 page)
 Summary Information (17 pages)
 Cost Effectiveness Work Sheets (7 pages)

c: All Applicants Andrea Gordon TAM Staff

RESOLUTION No. 2005-06

**RESOLUTION OF THE TRANSPORTATION AUTHORITY OF MARIN (TAM)
AUTHORIZING SUBMITTAL OF PROPOSALS, TFCA 40%, AB-434 FUNDS**

WHEREAS, the State of California enacted the California Clean Air Act of 1988 requiring Air Districts to adopt, and cities and counties to implement certain transportation control measures in order to improve air quality; and

WHEREAS, the County and cities of Marin County have, in response to the aforementioned State legislation, created the Transportation Authority of Marin to serve as the county congestion management agency; and

WHEREAS, the County of Marin and the Cities of Belvedere, Corte Madera, Fairfax, Larkspur, Mill Valley, Novato, Ross, San Anselmo, San Rafael, Sausalito, and Tiburon, representing a majority of Marin cities and population, originally designated the Marin Congestion Management Agency as the "Program Manager" for AB-434; and

WHEREAS, it is determined that (1) construction of Bolinas Bicycle Path, (2) Bike Racks on Golden Gate Transit Buses, (3) Fireside Smart Growth Development, (4) Ride&Roll: Students Ride Free on Golden Gate Transit, (5) Commuter Bike Connection South Novato Blvd. To Entrada Drive, (6) Video Conferencing Network, and (7) Los Ranchitos Class II Bikeway are the most appropriate and cost-effective strategies currently available within the county for reducing motor vehicle emissions;

NOW, THEREFORE, BE IT RESOLVED that the Executive Director of the Transportation Authority of Marin (TAM) is authorized to submit proposals and carry out the projects related to AB-434.

PASSED AND ADOPTED this 28th day of April 2005, by the following vote, to wit:

AYES: Belvedere, Corte Madera, Fairfax, Larkspur, Marin County, Mill Valley, Novato, San Anselmo, Ross, San Rafael, Sausalito, Tiburon.

NOES:

ABSENT:

Attest:

Chair
Transportation Authority of Marin

Craig Tackabery, Executive Director

SUMMARY INFORMATIONProgram Manager Name: Transportation Authority of Marin (TAM)Contact Person: Craig Tackabery Phone No.: (415) 499-6582Address: P.O. Box 4186 San Rafael, CA 94913-4186Signature: _____ Date: _____
Executive Director**PART A: NEW TFCA FUNDS**

1. Estimated FY05/06 DMV revenues as reported by BAAQMD. Line 1a: \$ 355,354
Adjustment between FY04/05 estimate and actual revenue. Line 1b: \$ 6,809
Estimated FY04/05 DMV revenues: Line 1c: \$ 351,000
Actual FY04/05 DMV revenues: Line 1d: \$ 357,809
(Line 1d minus Line 1c equals Line 1b)
2. Interest income. Show interest earned on TFCA funds in calendar year 2004. Line 2: \$ 34,943
3. Total new TFCA funds. Add Lines 1a and 1b. Line 3: \$ 362,163

PART B: UNALLOCATED TFCA FUNDS

4. Total unallocated funds from previously funded projects and funds that have not been allocated to projects that are available for programming to new projects. Line 4: \$ 696,550
Enter zero (0) if there are no unallocated funds. Include TFCA funds available due to project cancellation or projects completed under-budget, and funds not previously allocated. **Complete and attach Summary Information Addendum.**

PART C: TOTAL AVAILABLE TFCA FUNDS

5. Add Lines 2, 3 and 4. Line 5: \$ 1,093,656

PART D: FY05/06 TFCA ALLOCATIONS

6. Total TFCA funds budgeted for administration. Line 6: \$ 18,108
(Note: Line 6 cannot exceed 5% of Line 3.)
7. Total TFCA funds allocated to new projects. Show the total of all TFCA funds allocated to new projects as shown on the attached project information sheets. Line 7: \$ 526,043
8. Total allocations. Add Line 6 plus Line 7. Line 8: \$ 544,151
(Note: Line 8 should not exceed the amount on Line 5.)

PART E: UNALLOCATED FUNDS

9. Total unallocated funds. Subtract Line 8 from Line 5. Enter zero (0) if all available funds are allocated to new projects. Line 9: \$ 549,505

Governing Board Resolution:

Attach a copy of the resolution adopted by your Governing Board authorizing the distribution of the above funds. The resolution should state that the projects included in this expenditure program are the most appropriate and cost-effective strategies currently available within the county for reducing motor vehicle emissions. All proposed expenditures must be consistent with the *Clean Air Plan* and Section 44241(b) of the California Health and Safety Code.

PROJECT INFORMATION

- A. Project Number: 05MAR01 B. Project Sponsor: Bolinas Community Public Utilities District (BCPUD)
- C. Project Contact: Don Smith
(Member, BCPUD Board of Directors) D. Contact Phone #: 868-2172
E-mail: donsmith@microweb.com
- E. Project Title: BCPUD Land Bicycle Path
- F. TFCA \$ Allocated: \$40,000 G. Total Project Cost: \$40,000
- H. Project Description:

This project is an off-road bicycle and pedestrian path that will provide a safe and attractive route between the Big Mesa and downtown Bolinas and will be a strong incentive for residents to switch from motor vehicles to alternative transportation for these frequent trips. The Mesa is Bolinas' principal residential area, while almost all services and activities are located downtown - 1 to 2 miles away. The only two roads between these locations, Mesa Road and Terrace Avenue, both have unridable or nonexistent shoulders, steep sections with sharp and blind curves, and fast traffic with insufficient policing to be an effective deterrent.

A dedicated citizens' committee has been working on this problem for several years and has received a Marin Community Foundation award for successfully designing a path system that meets both the safety and aesthetic needs of the community as demonstrated an advisory poll that passed 2-to-1 in November 2002. The overall design consists of two separate projects that join at the intersection of Olema-Bolinas and Mesa Roads as shown on the upper right of the attached Path System map. The project heading from that intersection Northward to the school is being designed by County DPW alongside the road right-of-way and is expected to be funded from the Federal TEA re-authorization presently in Congress, it being a top priority within the County CMA for West Marin bicycle projects. The second project heads South and West from the same intersection through land owned by the Bolinas Community Public Utilities District (BCPUD), with branches terminating downtown and at the edge of the Mesa. Together, the two projects will provide safe, year-round alternative transportation between all key destinations: from residential areas to the school, playing fields, clinic, and the downtown area with its stores, post office, library, and the West Marin Stage bus terminal connecting to Marin City. The subject of the present TFCA Application is the second project, the 4700-ft off-road path on BCPUD land that is shown on the attached map. This second path will provide access to the main activity center of Bolinas and to transit service, and it will bypass the safety hazards of existing roads that are now preventing most residents from using bicycles for transportation between the Mesa and downtown.

Attached is a letter confirming the Transportation Authority of Marin's intent to include the present proposal in the next CMP update. In addition, the Marin County Unincorporated Area Bicycle and Pedestrian Master Plan of June 2001 includes general proposals for Bolinas (p. 90) that connect the locations mentioned above, and it recommends feasibility analysis, public input, environmental review, and formal approval. The route we now propose is the product of having done this work, and it has been approved by the BCPUD Board of Directors subject to funding availability. BCPUD is thereby promoting a land-use and transportation policy that reduces car trips and air pollution in accord with BAAQMD objectives. Further, we are implementing Transportation Control Measures #9 (Improve Bicycle Access and Facilities) and #19 (Pedestrian Travel) of the Bay Area 2000 Clean Air Plan, and implementing TCM B (Bicycle/Pedestrian Program) and TCM C (Transportation for Livable Communities - TLC) of the Revised San Francisco Bay Area Ozone Attainment Plan adopted October 2001. TLC provides

“capital grants to help cities and nonprofit agencies define and implement transportation projects that support community plans.” The County-adopted Bolinas Community Plan on pp. 62-63 calls for “the creation of safe and well designed all-weather bicycle, pedestrian and equestrian trails throughout the community”, “connecting residential areas like the Mesa with downtown and especially the school.” We have prepared a CEQA Notice of Exemption for this project that is on file in the BCPUD office.

We have engaged Jim Jacobsen to help us design the path, and we expect he also will be the contractor. His resume is attached. Jim is an experienced designer and builder of off-road dirt bicycle paths who was recommended to us by the Marin County Bicycle Coalition. We looked at several of his installed projects, talked with his customers, and concluded that he knows his business well. We have had Jim route the path in a long switchback up the hill to the Mesa in consideration of ADA recreational-trail guidelines for grade. This will make the path much more attractive and negotiable for small children and the elderly as well as ADA users. Jim advises us that a dirt path, designed with proper attention to drainage and armored with gravel in wet areas, can be usable year-round with moderate periodic maintenance, which BCPUD will perform as needed under their land stewardship budget. The gravel will have sufficient fines content to provide a hard-packed and stable surface smooth enough for road bikes. The initial cost is half that of asphalt, and asphalt also would detract from the woodsy and natural look of this beautiful tract of open space that Bolinas residents treasure as a refuge. The riding surface will be 5 feet wide with 1.5 feet either side clear of large obstacles. This design will allow safe passing of the low-speed and low-volume traffic that is anticipated (about 60 trips/day each way), while minimizing disruption of the wooded surroundings. Jim’s attached bid assumes gravel surface all the way, but in fact we probably will need it for under half the length, which would drop the total project cost to about \$40,000.

In summary, we have given long and careful consideration to the surfacing of this path and are proposing packed dirt and gravel instead of asphalt for the following reasons:

- Much more appropriate aesthetically for the surroundings
- Acceptable to the community given their regard of the BCPUD land as a natural refuge
- More enticing to potential users as an attractive route for alternative transportation
- Cost savings of \$40,000 of public money
- Confidence in Jim Jacobsen’s ability to construct a year-round path that will weather well
- Paving option remains available if deemed preferable later on

I. Project Schedule: Start Date (mo/yr) 08/05 Final Report Due Date (mo/yr) 12/07

J. Final Report Content: Form 3 – Bicycle Project

K. Cost-effectiveness. (worksheet attached)

We estimated the average number of trips per day from the Mesa residential area to downtown by: 1) gathering data from key downtown service managers on numbers of customers per weekday; 2) correcting appropriately for multiple-errand overlap; and 3) multiplying the resulting total by the fraction of customers coming from the Mesa versus elsewhere in the area served by downtown. We omitted weekend days because of added traffic volume from visitors to town and from residents attending downtown events.

The merchant with the largest customer count is the Co-op organic grocery, which averaged 299 transactions/day midweek for the first two weeks of March 2005. The only other grocery is the Bolinas Market, which reports 150-200 customers/day midweek. People tend to prefer one or the other store, but since there are some items not available at both, we assume that 30% of Market customers also visit the Co-op in a given trip, making the total count of grocery customers to be $299 + (175 \times 70\%) = 422/\text{day}$.

The library counted 3379 patrons for the month of December 2004 and 2657 for February 2005, or 3018/month average. It is open 17 hours over three midweek days (13 days/month) plus 3 hours on Saturdays for 20

hours/week total, so the average midweek patron count is $3018 \times (17/20) / 13 = 197/\text{day}$. We estimate that half of library patrons will also do another errand in the same trip, so we count only 98 as additional trips to downtown.

The Stage bus in four trips per midweek day from its downtown depot to Marin City carries about 16 passengers/day. We assume that these passengers will not do other errands except perhaps mail pickup.

Most US Mail customers in our 94924 Zip Code do not get mail delivered and must retrieve it at the Post Office, where there are 930 postboxes in use. Not everyone retrieves their mail every day, but if we assume that 4 out of 5 do, we have 744 trips for mail. However, there is likely to be considerable overlap between people coming downtown for mail and for other errands. We conservatively estimate the fraction of people who come downtown for mail and for no other purpose at 20%, which results in 149 additional trips.

There are many other services downtown. We exclude laundromat, clinic, gas station and saloon customers from the count of potential bicycle users. We do count those using the beach, ATM, video rental, liquor store, hardware store, billiards, knick-knack shops, office services, and museums. Odyssey Video alone reports 50 customers/day average midweek. Based on general observation of downtown activity, we estimate 100 trips for all these purposes combined and excluding overlap with other errands counted above.

From the above data and assumptions, we tally $422 + 98 + 16 + 149 + 100 = 785$ round trips to downtown and back per day midweek. The estimate would be higher on weekends, because most services are still available then, and there are in addition many downtown events. The majority of these trips come from the Mesa, and most of the remainder come from elsewhere in the BCPUD water-service area. We calculate the fractional split in two ways. 1) Of the 576 BCPUD water meters in use, 358 of them, or 62%, are on the Mesa. 2) Of the 901 voters registered for 2003 within the BCPUD voting district, 543 of them, or 60%, live on the Mesa, very close to the 62% estimate from water meters. We assume that the downtown customer base splits similarly: that is, 61% of downtown customers, or 479 people/day, will be coming from the Mesa and are therefore potential users of the proposed bicycle path. This is a conservative estimate because of not considering the higher weekend traffic from residents.

Almost everyone traveling from the Mesa to downtown does so by motor vehicle, because the roads are dangerous and the grade is steep. The proposed path omits both of these problems, while additionally presenting a very attractive route through secluded woodland and meadow, and a route that is much more gently graded than the existing roads. Given in addition the high environmental consciousness of the Bolinas community and the short length of the trip downtown, we expect this path to be used frequently both by those who want to avoid using gasoline and by those who want to enjoy the idyllic route. Further incentive is provided by the difficulty of finding parking downtown, especially on high-surf days and weekends, when we have many visitors. A publicity campaign will accompany the path's opening, and word gets around quickly in this small community. There is also a new bike shop downtown that will make it easy for new users to obtain and maintain their bicycles.

We now calculate the percentage of trips between the Mesa and downtown that would shift from car to bicycle given the path. The following data were provided by Eric Anderson at the Marin County Bicycle Coalition (MCBC):

- 7% of local trips Countywide in Marin are now made by bicycle, and the 20-year goal is 20%
- Safe Routes to Schools (SR2S) has shown a 15% reduction in car trips to school from their programs
- In the Netherlands, 40% of local trips are now made by bicycle
- Ten car trips per day are made from the average Marin household

Bolinas is known both for its environmental awareness and for its willingness to trying new ways of living. We already make far fewer car trips per day than the average Marin household: 479 per day from 358 households (water meters) or 1.3 per household, versus 10 countywide. For these reasons and because of the many incentives listed above, we expect our path adoption percentage to be higher than the Countywide figures though probably lower than the Netherlands figure. Based on the MCBC data, we estimate a 14% adoption level averaged over the 20 years "effectiveness" term of the proposed project: that is, an adoption level halfway between the present Countywide level and the 20-year goal. The 20-year effectiveness number is used for the TFCA spreadsheet calculation per BAAQMD recommendation, though we expect the path to last much longer given the planned regular maintenance by BCPUD. Based on observation of bicycle traffic and parking downtown, we estimate that about 1% of trips from the Mesa to downtown are made now by bicycle. Thus, we conclude that 13% more trips will be made by bicycle given the proposed path. Note that this and the MCBC numbers are percentages of total trips

per year (365-day basis). However, the Transportation Authority of Marin asks that we instead use trips per day based on the lesser number of days per year that the path will actually be used (due to rain and such), say 280 days/year. Correcting the data in this way, 13% of trips over 365 days is equivalent to 17% of trips over 280 days plus 0% of trips over the remaining 85 days. The 479 total round trips/day from above times 17% times 2 to convert to one-way trips gives 163 one-way trips/day shifting from car to bicycle. Using these numbers and the 1.7-mile one-way trip length from the middle of the Mesa to downtown, the TFCA spreadsheet yields a Project Cost-Effectiveness (ROG, NOx & weighted PM) of \$14,030/ton, well below the threshold for the maximum 60-point score.

L. Comments (if any):

(none)

PROJECT INFORMATION

A. Project Number: 05MAR02 B. Project Sponsor: Golden Gate Bridge, Highway & Trans. District

C. Project Contact: Gayle Prior

D. Contact Phone #: (415) 923-2373

E-mail: gprior@goldengate.org

E. Project Title: Bike Racks on Golden Gate Transit Buses

F. TFCA \$ Allocated: \$ 60,000

G. Total Project Cost: \$ 300,000

Other Funding:	Amount
	<u>\$240,000</u>

Source
<u>Federal Transit Administration</u>

H. Project Description:

This project will purchase and install bike racks and related equipment on up to 52 – 45' Golden Gate Transit buses (52 racks plus 2 spares). These two-bike capacity bike racks will be installed in the luggage compartment of the buses since it was determined that it would not be safe to operate a 45' bus with a front mounted bike rack in our service area. This project will encourage linked bike and bus travel and provide increase transportation alternatives in GGBH&TD's 60 mile service corridor between Santa Rosa/Novato/San Rafael and San Francisco.

I. Project Schedule: Start Date (mo/yr) 10/1/05 Final Report Due Date (mo/yr) 5/1/07

J. Final Report Content: X

K. A copy of a completed cost-effectiveness worksheet for the project is attached.

L. Comments (if any): This project is supported by the Marin County Bicycle Coalition and will provide bike racks on Golden Gate Transit buses currently without bike racks. Once this project is completed, the entire Golden Gate Transit bus fleet will be equipped with bicycle racks.

PROJECT INFORMATION

A. Project Number: 05MAR03 B. Project Sponsor: Marin County Community Development Agency

C. Project Contact: Barbara Collins, Marin County CDA D. Contact Phone #: 415-499-6697

E-mail: BCollins@co.marin.ca.us

E. Project Title: Fireside Smart Growth Development

F. TFCA \$ Allocated: \$200,000.00 G. Total Project Cost: \$ 300,000.00

Other Funding:	Amount	Source
	<u>\$100,000</u>	<u>HOME funds</u>

H. Project Description: SEE ATTACHED BELOW:

I. Project Schedule: Start Date (mo/yr) Jan. 2006 Final Report Due Date (mo/yr) Dec. 2007

J. Final Report Content: X

K. Attach copy of cost-effectiveness worksheet. Cost-effectiveness worksheets are not needed for the following project types: RIDES Regional Rideshare Program; electric vehicle charging infrastructure; natural gas vehicle fueling infrastructure; clean air vehicle passenger cars, pick-up trucks, and vans with a GVW of 10,000 lbs. or less; clean air buses, heavy-duty trucks, and street sweepers.

L. Comments (if any): SEE ATTACHED BELOW:

Fireside Smart Growth Development
Smart Growth / Traffic Calming
Application for Transportation Fund for Clean Air (TFCA)
April 1, 2005



Project Description

The County of Marin Community Development Agency (CDA) in conjunction with Citizens Housing Corporation (CHC), a 501(c)3 nonprofit housing developer, is developing The Fireside Apartments, a 50-unit affordable smart growth housing development in southern Marin County. The project site is located at 115 Shoreline Highway at the site of the old Fireside Inn and Motel.

As part of the overall housing development, the project will include the implementation and construction of specific offsite improvements that contribute to both local and regional smart growth goals. The improvements for which we are requesting funds from TFCA are as follows:

1. Implementation of a new signalized pedestrian crosswalk across Shoreline Highway to provide safe access between the project site and the Manzanita Regional Transit Center and the existing regional pedestrian/bicycle/equestrian Shoreline Trail System.
2. Implementation of a new pedestrian pathway from the project site to the proposed crosswalk, which would create a safe, pedestrian friendly path of travel that could be utilized by project residents and other visitors and community member

Funds for the overall housing development are provided through a variety of local, state, and federal affordable housing-specific funding sources, as well as private foundations. The remaining portion of the

Smart Growth Features that is not paid for by the TCFA funds will also be covered through these project sources.

TFCA Funding Effectiveness

We have attached the Smart Growth, Ridesharing, Bicycle, and Shuttle Funding Effectiveness Calculator. Per the Worksheet, the Fireside Apartments project generates a TCFA funding effectiveness score of 60 points. The assumptions used to generate this score are detailed in the worksheet attachment and are based on the findings in the *Fireside Housing Project Traffic Study*, prepared in October 2001 by Robert L. Harrison Transportation

Per the data from the Traffic Impact Study referenced above:

“the project is estimated to generate 31 transit trips, 25 walk trips, and 8 bicycle trips per weekday. The estimates of non-vehicle trips used in this report is based on average person trip rates in the Bay Area and in the Tam Valley / Sausalito area. The location of the project adjacent to the Manzanita Transit Center should attract greater than average transit trip generation. The many recreational paths and trails within a short walk of the project site would tend to simulate greater than average walking and bicycle use. *The project would likely generate non-vehicle trips at a higher rate than the average rates used in this report.*

In addition to project generated trips, the project site is expected to serve recreational hikers. The Tamalpais Transportation Improvements Project (TTIP) includes the proposed Visitor Intercept and Parking Facility to be located at the Manzanita Park & Ride Lot. Visitors to the State and National Parks located in southern Marin County would drive to the Manzanita Visitor Intercept and Parking Facility and then walk or be shuttled into the park systems. Some visitors will walk from the Manzanita facility, through the project site, to reach trailheads located on the ridges south of the project. The recreational use of the project site, and of the other trails in the TTIP project area, would increase pedestrian crossings of the State Highway between the project site and the Manzanita Park & Ride Lot” (page 19, *Fireside Housing Impact Study*, October 2001).

Until CHC recently demolished all of the previously existing buildings (except the Fireside Inn, which will be rehabilitated and incorporated into the new project as management and community space), the previous use of the site, included a restaurant, motel, a single-family house, and 2 apartment units. Per a Traffic Impact Study conducted in October 2001, by a certified transportation engineer, CHC’s proposed Fireside project is expected to generate *169 fewer daily vehicle trips* than the trips generated by the combined previous uses. This is the result of locating dense affordable housing at the transit-rich location.

Other Project Attributes

The Fireside Smart Growth development is an exemplary model of promoting smart growth development. Not only does it provide quality 100% affordable housing, but it also promotes the efficient use of limited land resources that are adjacent to public transportation nodes. It goes even further by linking the housing to public transit and existing pedestrian and bicycle trail systems through the new signalized pedestrian crosswalk and pathway described above.

Clean Air Policies and Programs

Fireside Apartments smart growth design and program features go a long way to promote the region's air quality objectives, especially those land use and transportation policies that help to reduce air pollution from motor vehicles. Specifically, Fireside Apartments promotes smart growth land use and transportation policies and helps to implement the Transportation Control Measures (TCMs) through the following ways:

- development site was selected because of its location directly across the street from one of two (2) public transit nodes in all of Marin County.
- development was designed to provide dense housing in close proximity to an existing public transit resources, thereby furthering the goal of locating new housing on urban-infill sites
- development includes a new signalized pedestrian crosswalk and path to enable residents a safe access to the Manzanita Transit Center and the existing Shoreline Trail System.
- the new crossing will also enable future visitors to the area to potentially access Golden Gate National Recreation Area (GGNRA) public open space and recreational area from the Manzanita Transit Center

Disadvantaged Communities

1) Fireside Apartments is a 50-unit, 100% affordable housing community. The development is in census tract #1282, which is not a disadvantaged community, however, all units will serve disadvantage households as they will be affordable to households earning no more than 60% of the Area Median Income (AMI). The target household population meets the demographic criteria laid out in the report entitled A Guide to the Bay Area's Most Impoverished Neighborhoods. Several units will be affordable to households at 30% AMI and below. Thirty-two (32) units will be set-aside for seniors and eighteen (18) units will be set-aside for low-income families. In addition, 18 of the family and senior units will be more specifically targeted to extremely low-income supportive housing-eligible homeless and disabled households.

2) One Hundred Percent (100%) of all smart growth measures that are being implemented as part of the development of this project will directly benefit the disadvantaged households residing at the Fireside.

3) All of the disadvantaged households at the development will benefit immensely from the smart growth features of the development as these populations often rely on public transportation as their sole transportation source. Furthermore, the close proximity to public transportation and neighborhood-serving retail, enables these households, who often have limited transportation access, to access employment opportunities and daily living necessities.

Promote Alternative Transportation Modes

The Fireside Smart Growth Development will encourage alternatives to automobile transportation and ultimately reduce vehicular trip through the following features:

- providing a safe, pedestrian connection to the existing Manzanita Transit Center, will promote use of the public transit and ridesharing facilities
- working with City Car Share, a local car-sharing organization, to try to provide a shared automobile onsite or across the street at the Manzanita Transit Center, which residents, visitors, and community members can use on an "as-needed" basis to access residential services and nearby amenities. City CarShare estimates that a one carsharing vehicle typically serves at least 25 people.

40% Application	Transportation Authority of Marin (TAM)	FY2005/2006
	<ul style="list-style-type: none"> providing secured onsite bicycle parking to encourage residents to utilize a bicycle rather than automobile transit. reducing the amount of onsite parking at the development discourages automobile use and encourages the use of alternative transportation modes, including the carshare, public transportation, bicycling, and existing regional pedestrian paths, such as the Shoreline Trail System. <p>partnering with existing regional shuttle services, such as WhistleStop Wheels to provide transportation services to eligible low-income elderly households at the development</p>	

PROJECT INFORMATION

A. Project Number: 05MAR04 B. Project Sponsor: Marin County Transit District

C. Project Contact: Amy Van Doren D. Contact Phone #: 415/499-6100

E-mail: avandoren@co.marin.ca.us

E. Project Title: Ride & Roll: Students Ride Free on Golden Gate Transit

F. TFCA \$ Allocated: \$98,800 G. Total Project Cost: \$580,000

Other Funding:	Amount	Source
	<u>\$481,200</u>	<u>Transportation Sales Tax</u>
	<u>\$X</u>	<u>X</u>

H. Project Description:

This project provides free fares for Marin County middle and high school students to ride Golden Gate Transit buses to attend school within the county commencing August 2005 and continuing through June 2006. This time period constitutes Phase V of program delivery. Positive benefits of the program include: providing alternatives to automobile travel for the trip to school, increasing the number of student taking transit, improving air quality by reducing auto trips and traffic congestion around schools, and improving average daily attendance. School-based trips represent approximately 27% of traffic during the peak morning commute.

Phase I occurred between late February 2003 and mid June 2003, and Phase II from August 2003 to mid December 2003. The third phase started in December 2003 and ends in mid June 2004. In Phase II, 49 out of 58 eligible schools participated in the program. Marin County has conducted a preliminary evaluation of Phase I and II, utilizing rider surveys. Over 41% of participants reported that they had previously traveled by car, 34% reported that they had used Golden Gate Transit buses, and 5% had used yellow school buses. The program resulted in a 65% mode shift in Phase I, and a 61% mode shift in Phase II. According our evaluation, the number of one-way trips shifted to transit was 46,906 in 2003, with an additional 43,177 trips that are no longer stopping at school. The program is in the midst of Phase IV with implementation between August 2004 and June 2005. Based on an average month of use, the implementing agencies estimate that the total tickets used each month is approximately 38,712 total, reflecting a steady increase in demand.

The cost for Phase I was approximately \$202,000, and the total cost for Phases II and III was \$350,000. The Transit District and our operator, Golden Gate Transit, have agreed to change the basis on which program cost is determined. Total cost of the program is based on two factors: Lost fare revenue for students using Ride & Roll tickets on local bus routes, and the cost to reimburse Golden Gate Transit for Ride & Roll tickets used on regional bus routes, plus ticket production costs. The basis for determining costs is the number of tickets used each month. The current youth discount fare is \$1.50 per trip.

The Project supports the following Transportation Control Measures (TCMs):

TCM 3	Improve Area Wide Transit Service
TCM10	Youth Transportation
TCM 13	Transit Use Incentive

Disadvantaged communities will benefit significantly from the project as 45% of current bus riders have incomes under \$20,000 per year, and over 25% have incomes of less than \$10,000 per year. The largest concentration of transit riders in Marin County is concentrated in low-income communities of the Canal in San Rafael (Zip Code 1122), Central San Rafael (Zip Code 1110) and Marin City (Zip Code 1250).

I. Project Schedule: Start Date (mo/yr) August 2005 Final Report Due Date (mo/yr) August 2006

J. Final Report Content: X

K. Attach copy of cost-effectiveness worksheet. Cost-effectiveness worksheets are not needed for the following project types: RIDES Regional Rideshare Program; electric vehicle charging infrastructure; natural gas vehicle fueling infrastructure; clean air vehicle passenger cars, pick-up trucks, and vans with a GVW of 10,000 lbs. or less; clean air buses, heavy-duty trucks, and street sweepers.

L. Comments (if any):

PROJECT INFORMATION

A. Project Number: 05MAR05 B. Project Sponsor: City of Novato

C. Project Contact: Jerry Novak D. Contact Phone #: 415 899-8959

E-mail jnovak@ci.novato.ca.us

E. Project Title: Commuter Bike Connection – South Novato Boulevard to Entrada Drive

F. TFCA \$ Allocated: \$ 200,000 G. Total Project Cost: \$ 779,220

Other Funding:	Amount	Source
	<u>\$ 402,300</u>	<u>TDA Funding</u>
	<u>\$ 176,920</u>	<u>Local Funding</u>

H. Project Description: The project will construct 0.6 mile Class I bicycle facility along US 101 between South Novato Boulevard and Enfrente Drive. The bikeway will greatly improve safety and convenience for bicycle commuters and accomplish goals identified in the Marin County North-South Bikeway Feasibility Study and City of Novato Bicycle plan. Current bicycle facility routes bicycle traffic onto US 101 without any barrier interface between bicycle and motor vehicle and the project will greatly enhance the safety of bicycle commuters along this corridor. The project involves extensive earthwork, drainage improvements, retaining wall construction and AC paving.

I. Project Schedule: Start Date (mo/yr) July, 2005 Final Report Due Date (mo/yr) July 2007

J. Final Report Content: Form 3

K. Attach copy of cost-effectiveness worksheet. Cost-effectiveness worksheets are not needed for the following project types: RIDES Regional Rideshare Program; electric vehicle charging infrastructure; natural gas vehicle fueling infrastructure; clean air vehicle passenger cars, pick-up trucks, and vans with a GVW of 10,000 lbs. or less; clean air buses, heavy-duty trucks, and street sweepers.

L. Comments (if any): In implementing the proposed project, the alignment chosen will require right of way from the State of California. The City is currently involved in securing a Coop Agreement with the State in order to acquire the additional right of way for the project. The State of California has endorsed the project and its merits with regard to safety. Additionally, because of the added safety, it will be the goal of the project to promote even higher bicycle commuter activity once the project is in place.

PROJECT INFORMATION

A. Project Number: 05MAR06 B. Project Sponsor: County of Marin

C. Project Contact: Barbara Layton.

D. Contact Phone #: 499-7060

E-mail: blayton@co.marin.ca.us

E. Project Title: Video Conference Training Rooms

F. TFCA \$ Allocated: \$ 67,243

G. Total Project Cost: \$67,243

Other Funding:	Amount	Source
	<u>\$00</u>	<u>N/A</u>

H. Project Description: The County of Marin purpose for establishing a Video Conference Training network is to reduce the number of car trips and driving time spent by Firefighters traveling to attend mandatory training classes. Currently, firefighters stationed at County of Marin branch fire stations, (Marin City, Throckmorton, Tomales/Dillon Beach, Hicks Valley, and Point Reyes) travel to the district fire station in Woodacre to attend classes. In addition, a Video Conference Training network would also be used to reduce the number of trips by employees from the Marin Civic Center to the Bel Marin Keys office IT training facility that provides technology training for all Marin county employees.

I. Project Schedule: Start Date (mo/yr) 09/2005 Final Report Due Date (mo/yr) 12/2007

J. Final Report Content:

K. Attach copy of cost-effectiveness worksheet. Cost-effectiveness worksheets are not needed for the following project types: electric vehicle charging infrastructure; natural gas vehicle fueling infrastructure; clean air vehicle passenger cars, pick-up trucks, and vans with a GVW of 10,000 lbs. or less; clean air buses, heavy-duty trucks, and street sweepers.

L. Comments (if any):

Row 17 was calculated on the basis that there are 9 major training events which all 27 fire staff attends. The average miles from Marin City, Hicks Valley, Point Reyes, Throckmorton, and Tomales/Dillon Beach fire stations to the Woodacre fire station averaged out to be 28 miles for Trip Length. .

Row 18 was based on the daily mandated training that the firefighters are to complete. These training sessions occur almost daily with exceptions of holidays and weekends for 26 employees. The same average miles that were used in row 17 column C are used in Row 18, column C.

Row 19 was based on the 2004 fiscal year of the overall number of county employees that went to the IST Training Center at 371 Bel Marin Keyes Blvd. in Novato. The length was calculated by employees traveling from the Civic Center location in San Rafael. A video conference training room at the Civic Center will be established to eliminate the travel to Bel Marin Keys office in Novato. The equipment will include 7 new Polycom video phones, with dual monitors and carts. The video phones will be located at the following fire stations, Woodacre, Marin City, Hicks Valley in Petaluma, Throckmorton in Mill Valley, Tomales/Dillon Beach and Point Reyes . There will also be a video phone located at the Bel Marin Keys office in Novato where the IST Trainers are stationed. An existing Polycom video phone is located at the Civic Center building in San Rafael.

PROJECT INFORMATION

A. Project Number: 05MAR07 B. Project Sponsor: Transportation Authority of Marin

C. Project Contact: Jack Baker D. Contact Phone #: (415) 499-6523

E-mail: jbaker@co.marin.ca.us

E. Project Title: Los Ranchitos Road Class II Bikeway

F. TFCA \$ Allocated: \$ \$160,000 G. Total Project Cost: \$ 877,424

Other Funding:	<u>Amount</u>	<u>Source</u>
	\$717,424	Regional Bicycle and Pedestrian Program (RBPP)

H. Project Description:

Construct Class II Bikeway from Lincoln Avenue northerly to intersection of Ranch Road. Project would constitute a "gap closure" facility connecting existing Class II facilities at each end of the project.

I. Project Schedule: Start Date (mo/yr) 10/06 Final Report Due Date (mo/yr) 12/07

J. Final Report Content: N/A

K. Attach copy of cost-effectiveness worksheet.

L. Comments (if any):

Los Ranchitos Road is a segment of the only north-south roadway in the area which roughly parallels and augments Highway 101. It serves not only vehicular traffic but an increasing number of bicyclists (including bicycle commuters) and pedestrians. This roadway provides an important access to local schools, businesses (including the Northgate Shopping Center), medical facilities (such as nearby Kaiser Hospital) and the Marin County Civic Center as well as extensive residential areas.

The subject segment of Los Ranchitos Road between Lincoln Avenue Ranch Road is relatively narrow (pavement width approximately 22') and has negligible shoulders (please see attached photos), which deter many cyclists and pedestrians. It is expected that the proposed Class II bikeway improvements through this segment will encourage a significant increase in cyclists as well as facilitating pedestrian use.

The project has been supported by local elected officials, the local homeowners association and the Marin County Bicycle Coalition. An environmental document has been completed ("Notice of Exemption", February 14, 2000). Necessary surveying has been previously performed and a preliminary design initiated

Only make entries in shaded areas.

Cost Effectiveness Index	
# Years Effectiveness:	10
Total Project Cost:	\$300,000
TFCFA Cost 40%:	\$60,000
TFCFA Cost 60%:	\$0
Total TFCFA Cost:	\$60,000

[illegible]

Step 1 - Emissions for Eliminated Trips										
A	B	C	D	E	F	G	H	I	J	
# Trips/Day (1-way)	Days/Yr	Trip Length (way)	VMT	ROG Emissions (gr/yr)	Nox Emissions (gr/yr)	Exhaust & Trip End PM10 Emissions (gr/yr)	Other PM10 Emissions (gr/yr) *	CO2 Emissions (gr/yr)	Total ROG, NOx & PM Emissions (gr/yr)	
16	40	33	284,000	93,736	107,336	3,816	54,120	111,590,069	204,888	
17	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	
20	0	0	284,000	93,736	107,336	3,816	54,120	111,590,069	204,888	
21		Total								

Step 2 - Emissions for New Trips to Access Transit /Ridesharing										
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[illegible]

23	Exp on - emissions for medium duty trucks	
30	Enter In Column D - Vehicle GVW	
31	- For Shuttles	2=8,501-10,000, 3=10,001-14,000
32	- For Vanspools	1= 5,751-8,500, 2=8,501-10,000, 3=10,001-14,000
33	- For Shuttles	2=Post-1994 diesel with CARB verified, Level 3 (85%) filter; 3=Post-1994 diesel with CARB verified, Level 3 (85%) + NOx filter;
33	Enter in Column E	
33	(Emissions Rating)	4=Post-1994 diesel with CARB verified, Level 1 (25%) filter; 5=Post-1994 diesel with CARB verified, Level 2 (50%) filter;
34	- For 1989-1994 gas;	7=LEV; 8=ULEV; 9=SULEV; 10=ZEV
35	- For Vanspools	1=Baseline default, 7=LEV, 8=ULEV, 9=SULEV, 10=ZEV

[illegible]

Cost Effectiveness Results										2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000
59	Cost Effectiveness Results																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</																																																																																																																																																																																																																																																																																																																																																																												

Criteria	Points
1. TFCA Funding Effectiveness	60
2. Other Project Attributes	
3. Clean Air Policies & Programs	10
4. Disadvantaged Communities	0
5. Promote Alternative Transportation Modes	5
Total	75

69. * Weighted PM 10 means that tailpipe PM emissions have been multiplied by factor of 10, consistent w CARB methodology for Carl Moyer Program, to reflect the negative impact of tailpipe PM on public health.

Project Information: Project Title: Ridesharing, Bicycle, Shuttle, and Smart Growth Projects; Project Sponsor: Marin County Community Development Agency; Project Type Code: 05MAR03; Project Sponsor Contact: Barbara Collins; Project Sponsor Phone #: 415-499-6697; Project Sponsor Address: 3501 Civic Center Drive, Room 308, San Rafael, CA 94108; Date Created: 29-Mar-05; Project Start Date: 05MAR03; Project End Date: 05MAR03; Project Budget: \$200,000; Project Funding: \$200,000; Project Status: Completed; Project Notes: Only make entries in shaded areas.

Table 1: Emissions for Eliminated Trips. Table 2: Emissions for New Trips to Access Transit/Ridesharing. Table 3: Emissions for Medium Duty Shuttle. Table 4: Emissions for Buses. Table 5: Emissions for Bicycles. Table 6: Emissions for Pedestrians. Table 7: Emissions for Other Modes.

Summary: Total Project Cost: \$200,000; Total Project Funding: \$200,000; Total Project Status: Completed; Total Project Notes: Only make entries in shaded areas.

Only make entries in shaded areas.

F:\Traffic\Excel\Tho\TFCA\TFCA2005-06\05MARB04.xls 4/20/2005

Only make entries in shaded areas.

# Years Effectiveness:	5
Total Project Cost:	\$67,243
TFCA Cost 40%:	\$67,243
TFCA Cost 60%:	\$67,243
Total TFCA Cost:	\$67,243

Yes **No** If the project involves filters, does the Air District purchase at least one of them?
Yes **No** If yes, PM Fund sponsors must also do monitoring form #5.
Instructions for Steps 1, 2, 3:

Step 1: Data for vehicle trips that project will eliminate:
Enter # one-way trips reduced per day (one round trip = 2 one-way trips),
days per year, and average one-way trip length in Columns A, B, and C

Note: Clearly explain your assumptions.

Step 2: Data for vehicle trips to access transit or vanpool:
This step accounts for the short access trips from home to transit station or vanpool pick-up point (e.g. Park & Ride lot).

- Step 3: Data for shuttles or vanpool trips: Use Step 3A for medium duty vehicles
- *Enter Gross Vehicle Weight category in Column D
- Ensure that Shuttles only use "2" or "3". Vanpools should be "1"
- *Enter emissions ratings in Column E
- Note that different emission ratings are available to shuttles versus vans
- *Enter "1" in Columns D & E and "0" in Column F if you do not have an engine in one of the rows.
- *Enter in Column F total annual miles for all the shuttle/ vanpool vehicles

Use Step 3B for buses:

- In Column D, enter the proper number (1 through 27) that

* Enter "1" in Column D and "0" in Column E if you do not have a vehicle in one of the rows.

Criteria	Points
1. TPCA Funding Effectiveness	48
2. Other Project Attributes	
3. Clean Air Policies & Programs	10
4. Disadvantaged Communities	
5. Promote Alternative Transportation Mkt.	5
Total	63

Form with multiple sections: Project Information, Emissions Reduction Calculations, and Emissions for Buses. Includes tables for ROG, CO2, and PM emissions, and a summary table for TFCFA funding effectiveness.